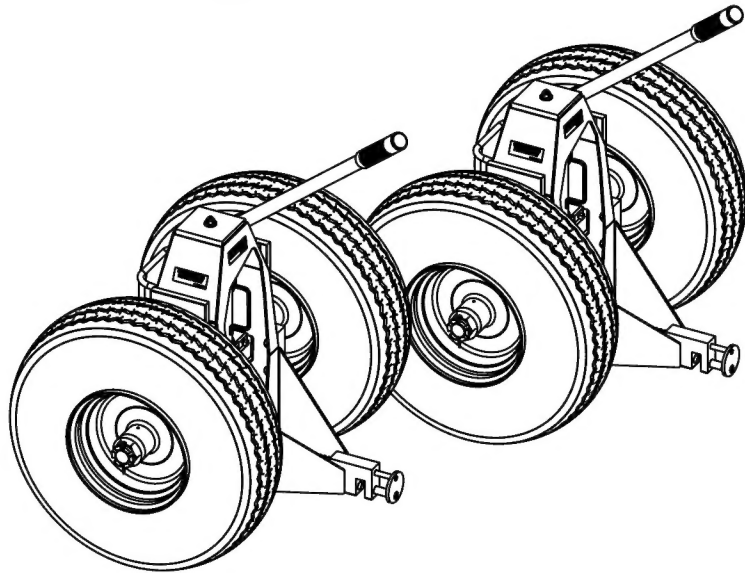
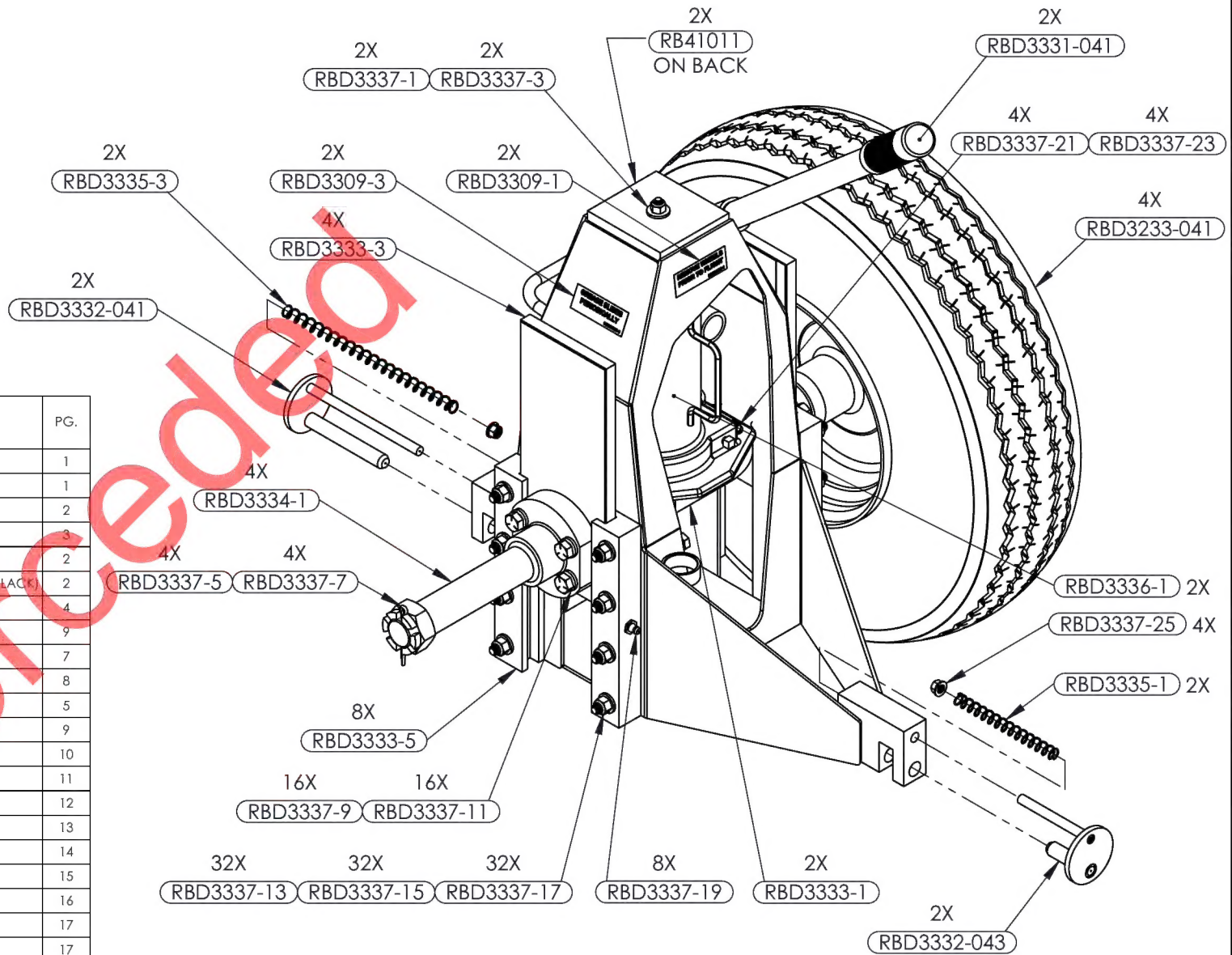


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1 DIM CH'D WAS 21.000 IS 21.0. -5 CH'D DO, WAS Ø.332 IS .344.	6/18/2014	RJC	GE
2	16-0039	UPDATED TO NEW DRAFTING STANDARDS. CH'D DWG NUMBER WAS RBD412-729-11 IS RBD412-729-011. RBD3332-7 MOVED TO SEPERATE SHEET. RBD3332-9 MOVED TO SEPERATE SHEET. RBD3333-3 CH'D DIM WAS .650 IS .660, WAS 1.200 IS 2X 1.200. RBD3333-5 CH'D DIM WAS Ø.334 IS Ø.344. RBD3334-1 CH'D DIM WAS 7.47 IS (7.47). RBD3336-3 CH'D B/O WAS 1/4-20 X 01 IS 1/4-20 X 1. RBD3337-13 CH'D DIM WAS 1-1/2 IS 1- 3/4. RBD3309-3 MOVED TO SEPERATE SHEET. RBD3335-3 MOVED TO NEW SHEET. CH'D PLACARD WAS RB41009 IS RB41011.	2/16/2016	SM	JAG

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
					RBD3233-041	4	WHEEL ASSY			1
					RBD3330-041	2	FRAME WELDMENT			1
			X		RBD3331-041	2	HANDLE ASSY			2
			1		RBD3331-1	1	HANDLE	DOM		3
			1	B/O	RBD3331-3	1	DOWEL PIN	STEEL	Ø3/16 X 1 (MCMaster-CARR # 98381A510)	2
			1	B/O	RBD3331-5	1	GRIP	VINYL	FITS 7/8 IN OD TUBING x 4-3/4 IN LONG (MCMaster-CARR # 97045K491, BLACK)	2
		X			RBD3332-041	2	PIN ASSEMBLY			4
	1	1			RBD3332-1		HANDLE	1018/1020 CR		9
		1			RBD3332-3		PIN	1018/1020 CR		7
		1			RBD3332-5		SHAFT	1018/1020 CR		8
	X				RBD3332-043	2	PIN ASSEMBLY			5
	1				RBD3332-7		PIN	1018/1020 CR		9
	1				RBD3332-9		SHAFT	1018/1020 CR		10
					RBD3333-1	2	BASE PLATE	4140/4142		11
					RBD3333-3	4	SLIDING PLATE	4140/4142		12
					RBD3333-5	8	RAIL	1018/1020 CR		13
					RBD3334-1	4	WHEEL SHAFT	4140/4142		14
					RBD3335-1	2	SPRING	STEEL	VICTORY SPRING # D3335 (MODIFIED)	15
					RBD3335-3	2	SPRING	STEEL	VICTORY SPRING # D3335 (MODIFIED)	16
X					RBD3336-1	2	JACK ASSY		NORCO #76508 (MODIFIED)	17
1				B/O	RBD3336-3		STUD	STEEL	1/4-20 X 1 (MCMaster-CARR #98750A011)	17
				B/O	RBD3337-1	2	NYLOCK NUT	STEEL	1/4-20 (MCMaster-CARR # 95615A120)	1
				B/O	RBD3337-3	2	WASHER		1/4 (MCMaster-CARR # 91081A129)	1
				B/O	RBD3337-5	4	SLOTTED NUT	STEEL	1-1/4 (MCMaster-CARR # 95030A320)	1
				B/O	RBD3337-7	4	COTTER PIN	STEEL	Ø1/8 X 2 (MCMaster-CARR # 98338A200)	1
				B/O	RBD3337-9	16	HEX HEAD CAP SCREW	STEEL	3/8-24 X 1-1/4 (MCMaster-CARR # 92865A217)	1
				B/O	RBD3337-11	16	LOCK WASHER	STEEL	3/8 (MCMaster-CARR # 91102A760)	1
				B/O	RBD3337-13	32	HEX HEAD CAP SCREW	STEEL	5/16-18 X 1-3/4 (MCMaster-CARR # 91247A589)	1
				B/O	RBD3337-15	32	FLAT WASHER	STEEL	5/16 (MCMaster-CARR # 90126A030)	1
				B/O	RBD3337-17	32	NYLOCK NUT	STEEL	5/16-18 (MCMaster-CARR # 95615A160)	1
				B/O	RBD3337-19	8	GREASE FITTING	STEEL	1/8 NPT (MCMaster-CARR # 1095K65)	1
				B/O	RBD3337-21	4	SOCKET HEAD CAP SCREW	STEEL	1/4-20 X 3/4 (MCMaster-CARR # 91251A540)	1
				B/O	RBD3337-23	4	FLAT WASHER	STEEL	1/4 (MCMaster-CARR # 91090A105)	1
				B/O	RBD3337-25	4	NYLOCK NUT	STEEL	5/16-24 (MCMaster-CARR # 97135A225)	1
				B/O	RBD3309-1	2	LABEL, REMOVE BEFORE FLIGHT		SIGNS NOW	18
				B/O	RBD3309-3	2	LABEL, GREASE SLIDES		SIGNS NOW	19
				B/O		2	DART PLACARD	ALUMINUM	RB41011	N/S
				B/O		1	CRATE		CRATE (id) 44 X 24 X 24, ISPM-15 CERTIFIED (SPECIALTY CRATE)	N/S



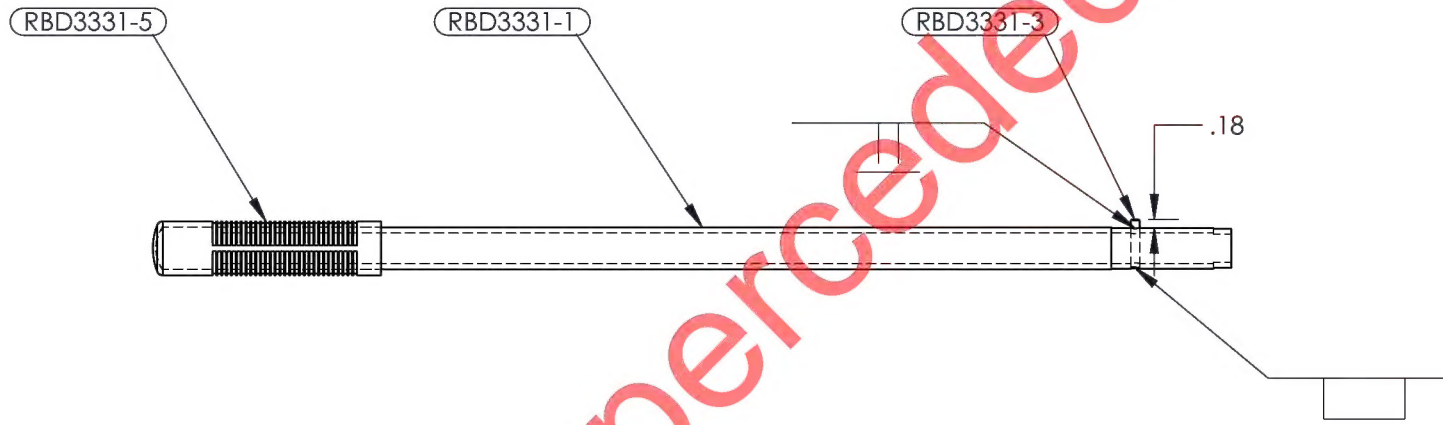
UNDER REVIEW
URF17-737 SAC

NOTE:
1) APPLY RUST INHIBITOR ON ALL PARTS AND AREAS NOT PROTECTED BY PAINT OR GREASE. RUST INHIBITOR POSSIBLE SUPPLIER: ACKLANDS-GRANGER INC., P/N LPSC30316.
2) USED ON BELL MODELS 204, 205, 212, 214,412, UH1, 222, 230, & AH1.

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011	REV 2
MATERIAL UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/	
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL SEE NOTE 2
APPROVED: GILBERT	
SCALE 1:5	DATE 3/15/2012
SHEET 1 OF 19	

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				APPROVED



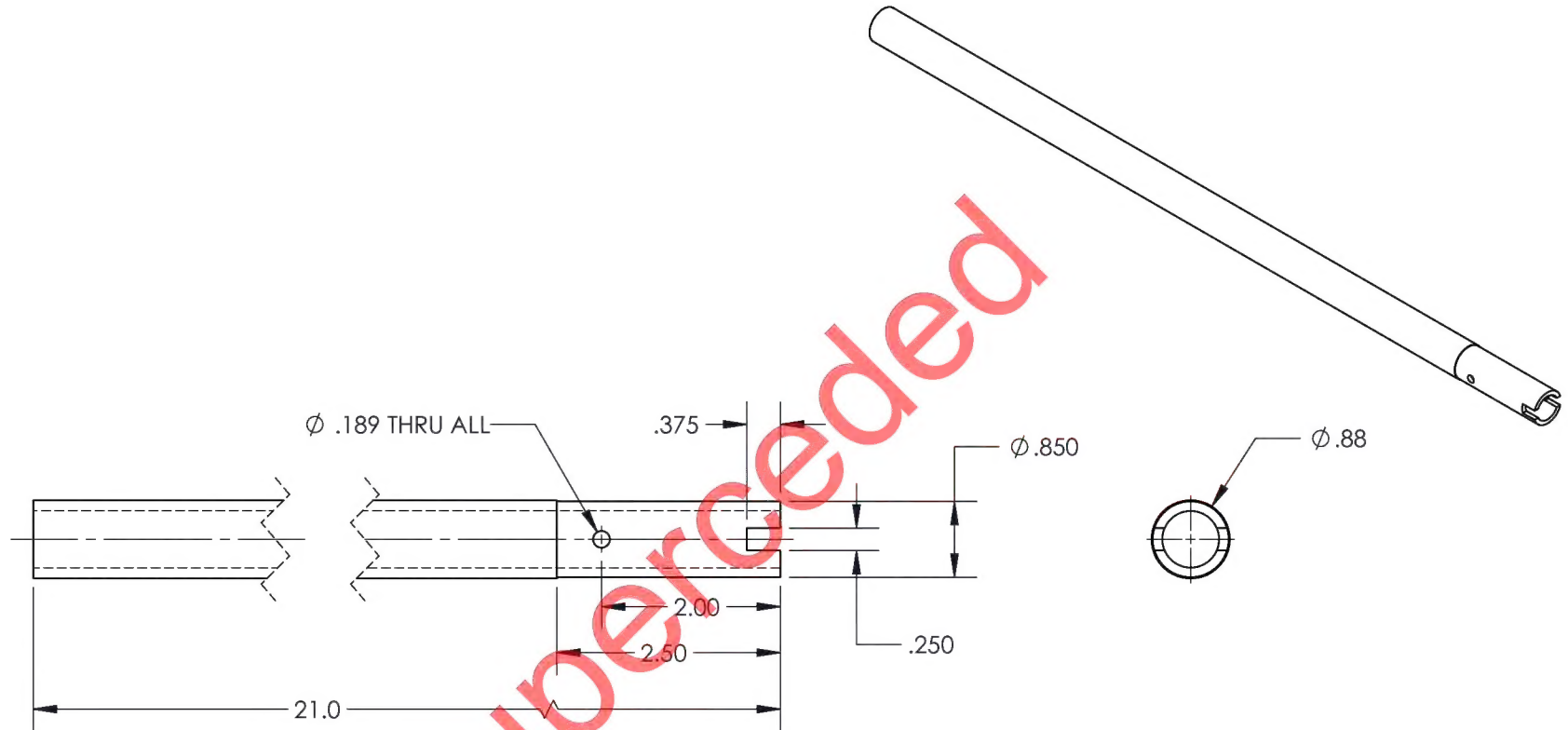
UNDER REVIEW
URF17-737 SAC

RBD3331-041
HANDLE ASSY

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3331-041	REV 2
MAT'L HEAT TREAT FINISH POWDER COAT YELLOW SPEC FED #13538	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DRAWN BY: GILBERT	USED ON MODEL
CHECKED:	SEE NOTE 2 SHT 1
OPPS APPR:	
QA APPR:	
APPROVED: GILBERT	
SCALE 1:4	DATE 3/15/2012
SHEET 2 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1 DIM CH'D WAS 21.000 TO 21.0.	6/18/2014	RJC	GE



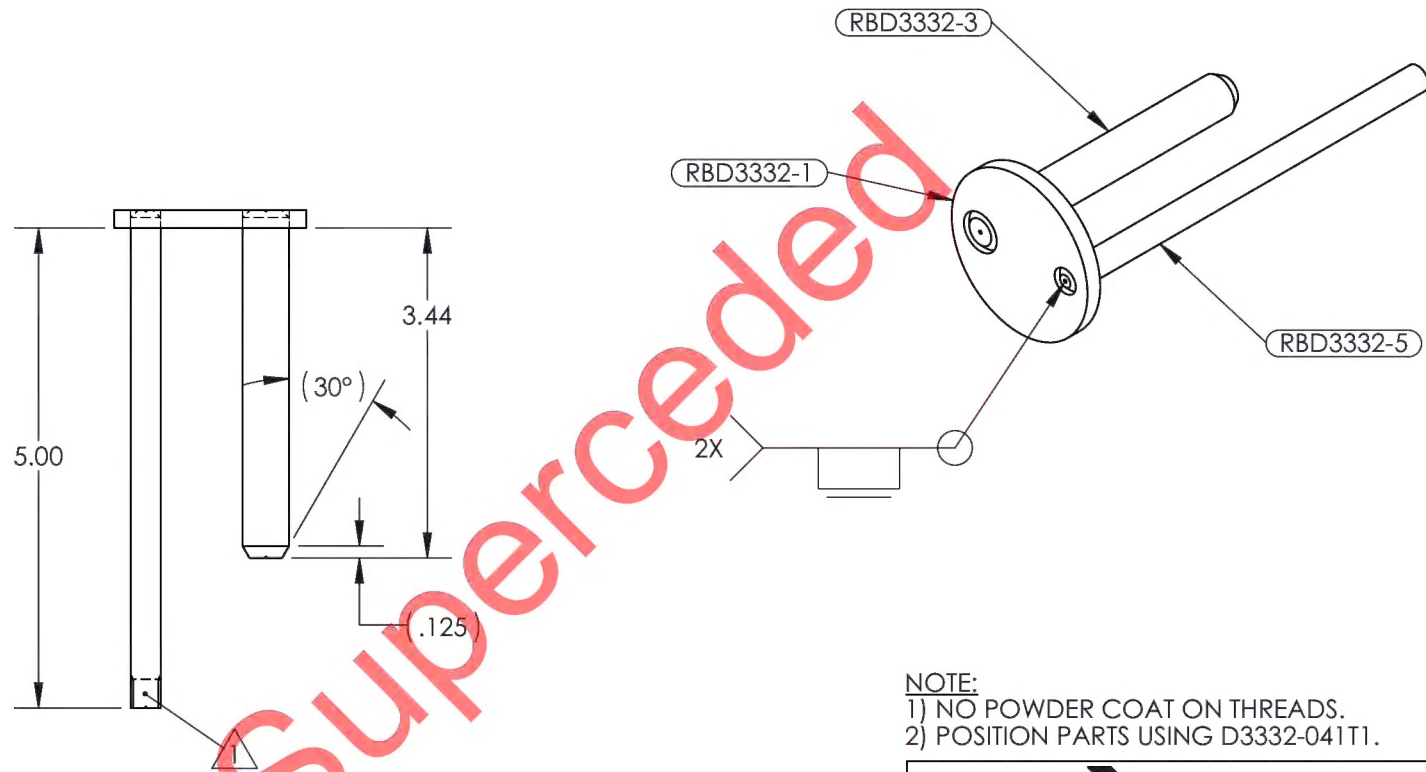
UNDER REVIEW
URF17-737 SAC

RBD3331-1
HANDLE

DART AEROSPACE	
TITLE GROUND HANDLING WHEEL	
DWG NO. RBD412-729-011 RBD3331-1	REV 2
MAT'L DOM RBD3331-1	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
HEAT TREAT FINISH SEE RBD3331-041	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
SPEC	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
DRAWN BY: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
CHECKED:	USED ON MODEL
OPPS APPR:	SEE NOTE 2 SHT 1
QA APPR:	
APPROVED: GILBERT	
SCALE 1:2	DATE 3/15/2012 SHEET 3 OF 19

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				APPROVED



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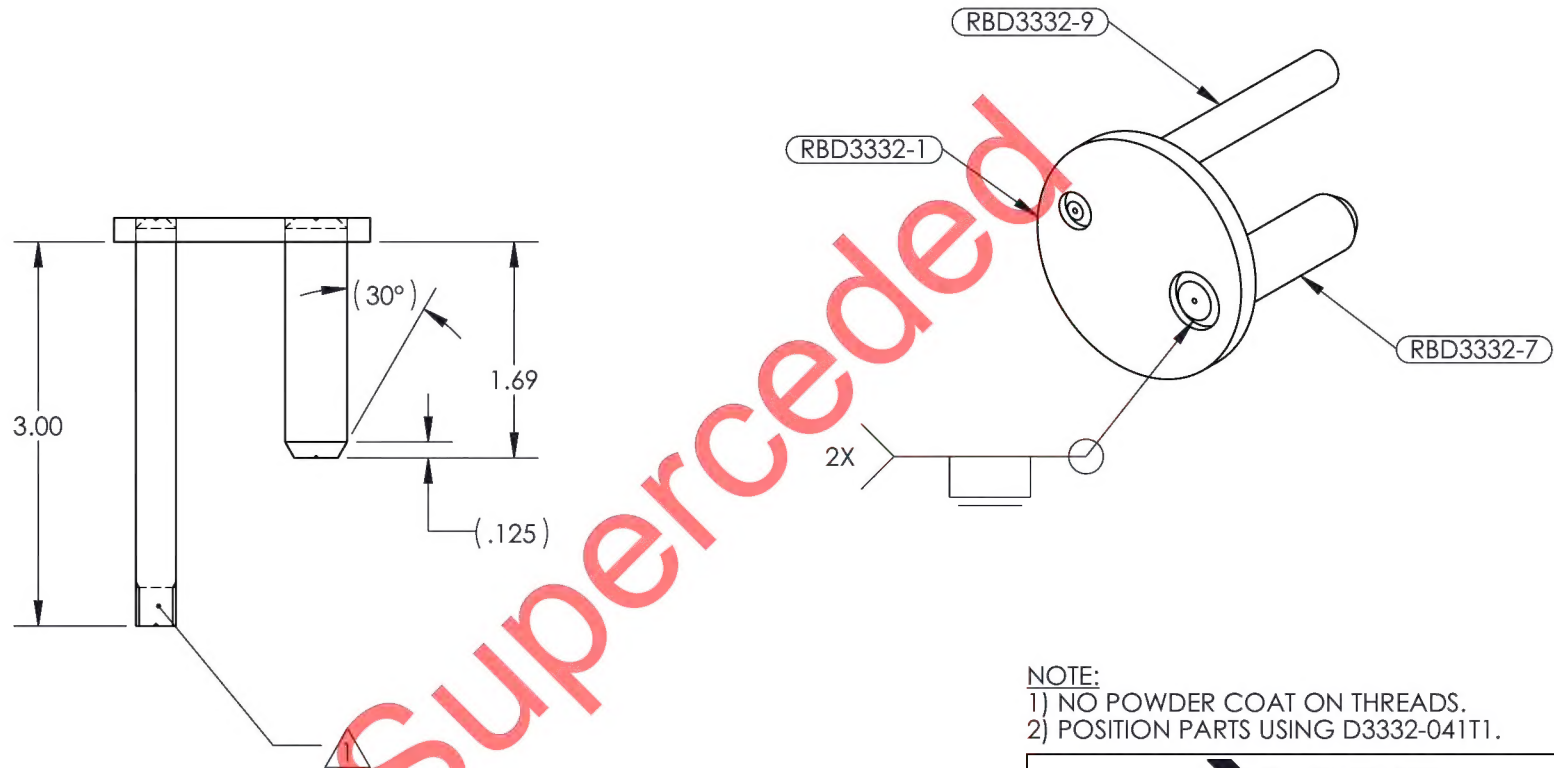
RBD3332-041
PIN ASSEMBLY

NOTE:
1) NO POWDER COAT ON THREADS.
2) POSITION PARTS USING D3332-041T1.

DART AEROSPACE	
TITLE GROUND HANDLING WHEEL	
DWG NO. RBD412-729-011 RBD3332-041	REV 2
MAT'L HEAT TREAT FINISH SPEC DRAWN BY: CHECKED: OPPS APPR: QA APPR: APPROVED:	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°</p> <p>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</p> <p>USED ON MODEL SEE NOTE 2 SHT 1</p>
POWDER COAT YELLOW	
FED #13538	
GILBERT	
SCALE 1:2	DATE 3/15/2012
SHEET 4 OF 19	

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



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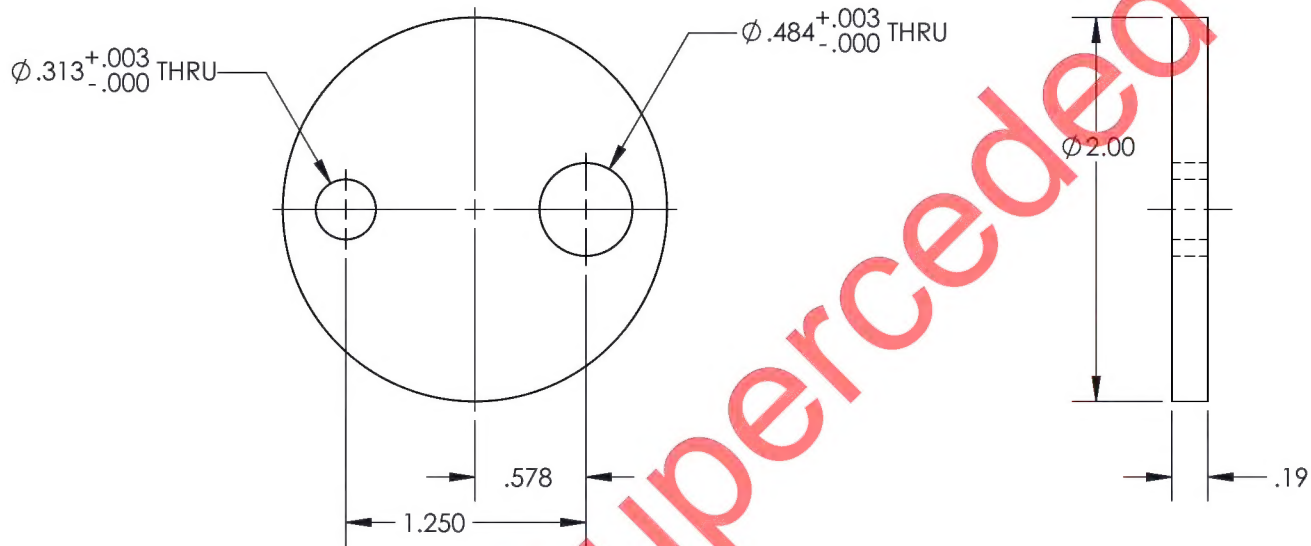
NOTE:
1) NO POWDER COAT ON THREADS.
2) POSITION PARTS USING D3332-041T1.

DART AEROSPACE	
TITLE GROUND HANDLING WHEEL	
DWG NO. RBD412-729-011 RBD3332-043	REV 2
MAT'L HEAT TREAT FINISH SPEC DRAWN BY: CHECKED: OPPS APPR: QA APPR: APPROVED:	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL SEE NOTE 2 SHT 1
FED #13538 GILBERT GILBERT GILBERT	SCALE 2:3 DATE 3/15/2012 SHEET 5 OF 19

RBD3332-043
PIN ASSEMBLY

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				APPROVED



UNDER REVIEW

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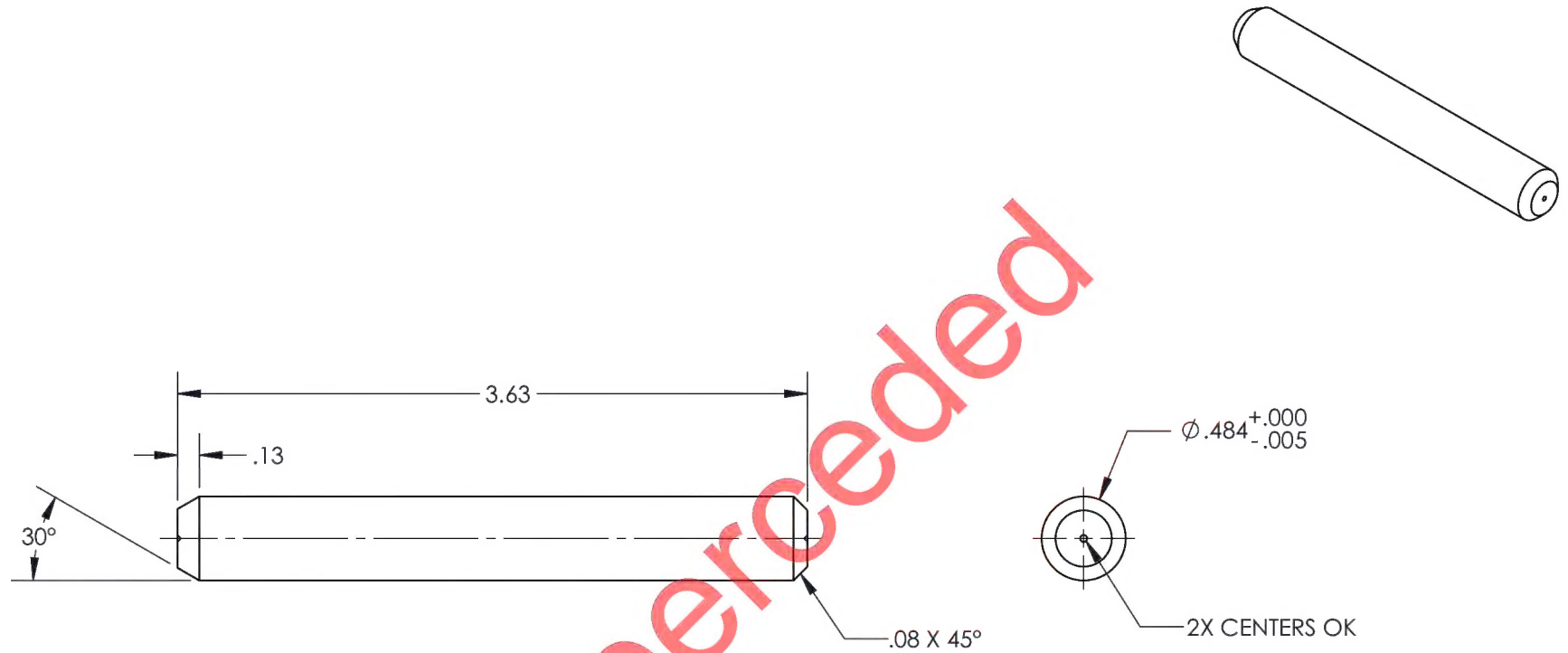
RBD3332-1

HANDLE

DART AEROSPACE	
TITLE: GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3332-1	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE RBD3332-041/RBD3332-043	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125° ✓
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 3/15/2012	SEE NOTE 2 SHT 1
SHEET 6 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
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Superceded

UNDER REVIEW

URF17-737 SAC

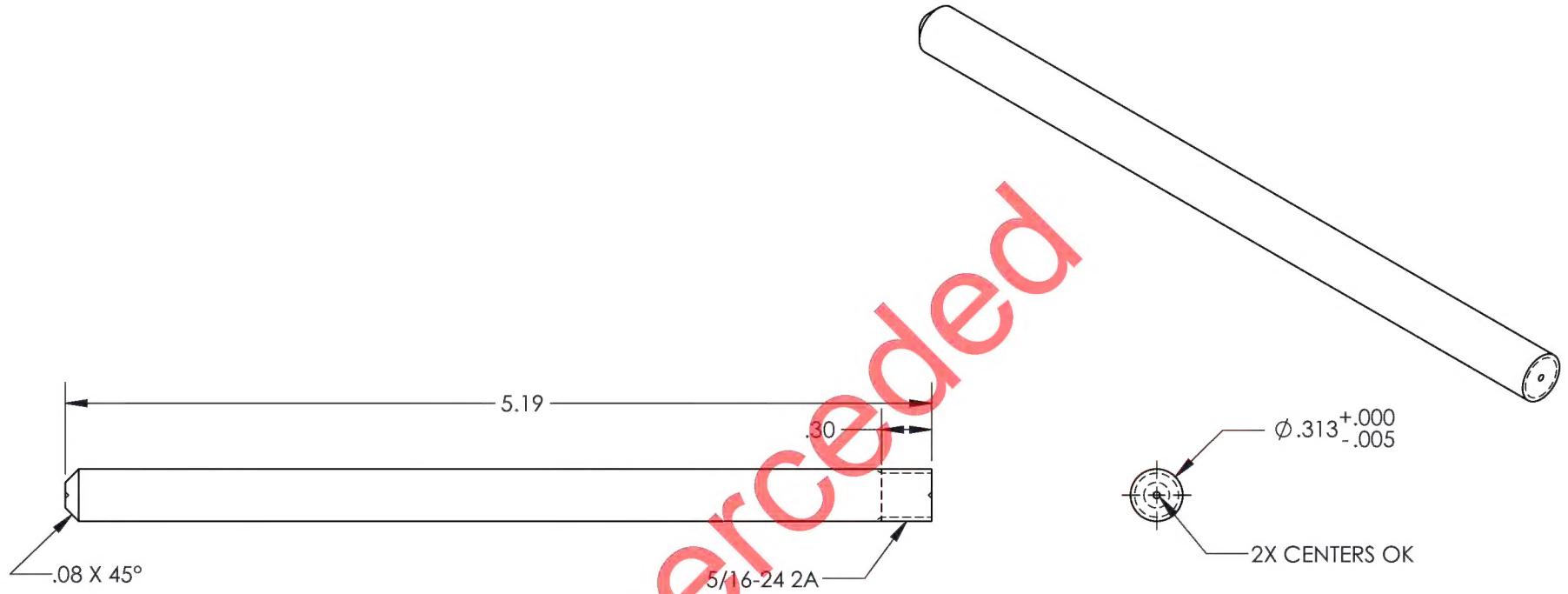
RBD3332-3

PIN

DART AEROSPACE	
TITLE: GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3332-3	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE RBD3332-041	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER
DATE 3/15/2015	ASME Y14.5M-2009
SHEET 7 OF 19	USED ON MODEL
	SEE NOTE 2 SHT 1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3332-9 MOVED TO SEPERATE SHEET.	2/16/2016	SM	JAG



Supercircled

UNDER REVIEW

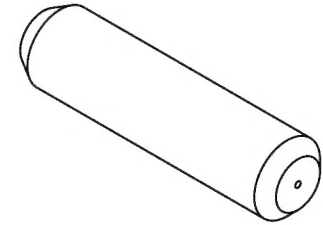
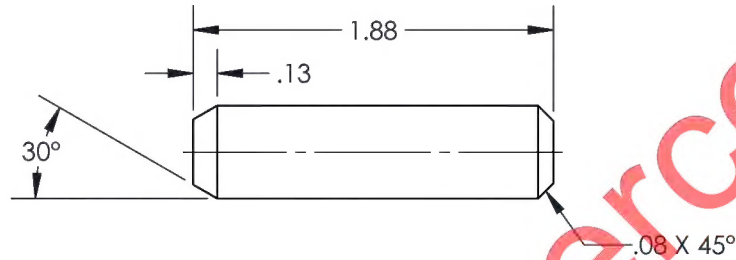
URF17-737 SAC

RBD3332-5
SHAFT

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3332-5	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE RBD3332-041	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 1/8
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 3/15/2012	USED ON MODEL
SHEET 8 OF 19	SEE NOTE 2 SHT 1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3332-5 ADDED TO NEW SHEET.	2/16/2016	SM	JAG



Superseded

UNDER REVIEW
URF17-737 SAC

RBD3332-7

PIN

DART AEROSPACE	
TITLE: GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3332-7	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE RBD3332-043	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125° ✓
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 3/15/2015	SEE NOTE 2 SHT 1
SHEET 9 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0032	RBD3332-9 ADDED TO NEW SHEET.	2/16/2016	SM	JAG



Superceded

UNDER REVIEW
URF17-737 SAC

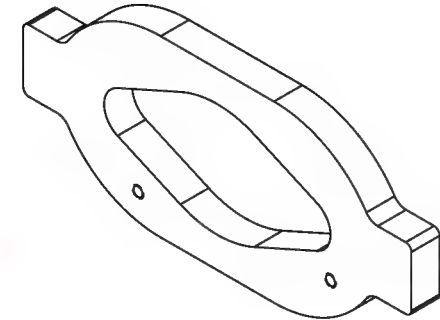
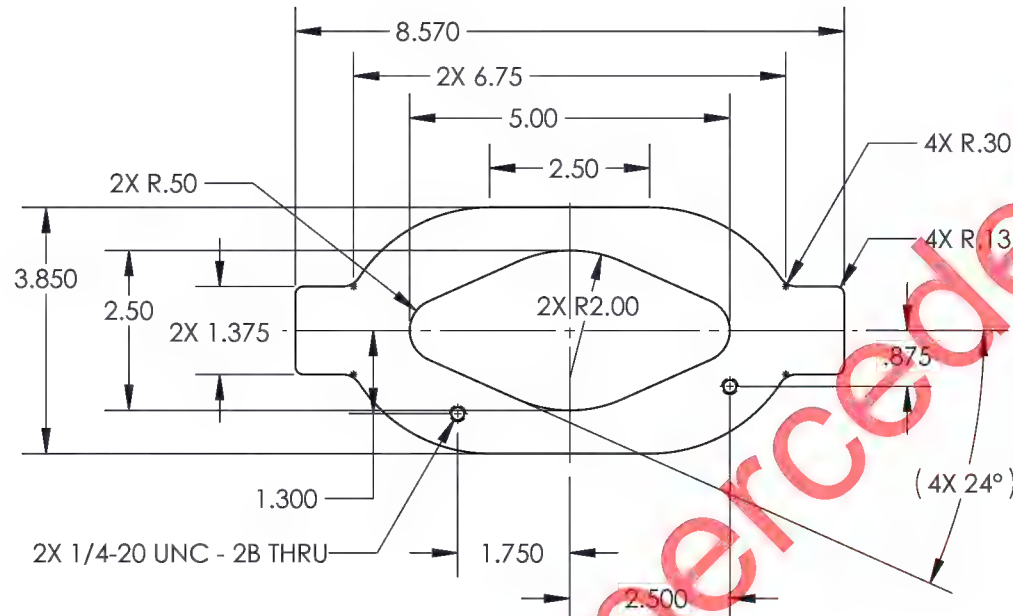
RBD3332-9

SHAFT

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3332-9	REV 2
MAT'L 1018/1020 CR TREAT FINISH SEE RBD3332-043 SPEC DRAWN BY: GILBERT CHECKED: OPPTS APPR: QA APPR: APPROVED: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 1° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL SEE NOTE 2 SHT 1	
SCALE 1:1	DATE 3/15/2012
SHEET 10 OF 19	

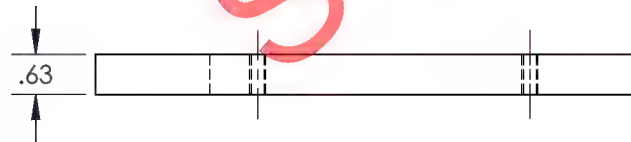
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REVISIONS			
REV	ECR	DESCRIPTION	DATE



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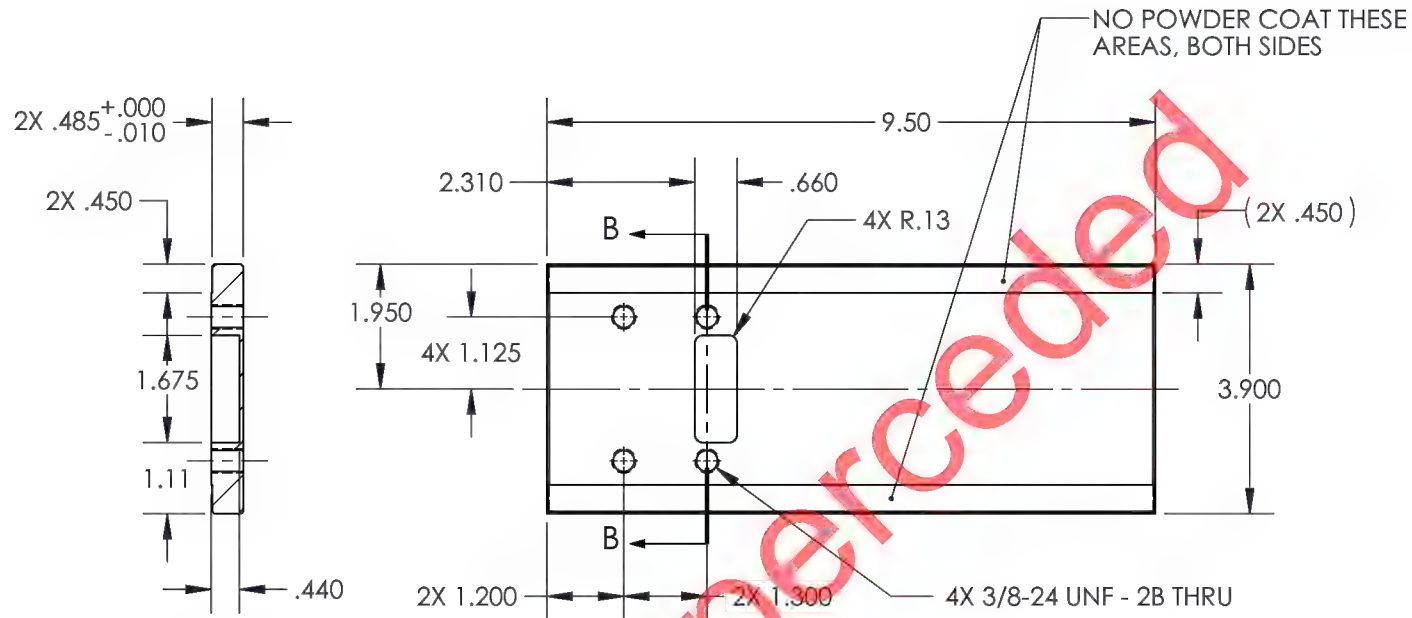


RBD3333-1
BASE PLATE

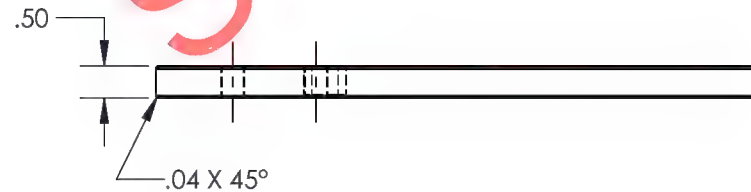
DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3333-1	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH POWDER COAT YELLOW	.XXX ± .005 FRACTIONS ± 1/8
SPEC FED #13538	.XX ± .01 ANGLES ± 5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125✓
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:3	USED ON MODEL
DATE 3/15/2012	SEE NOTE 2 SHT 1
SHEET 11 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3333-3 CH'D DIM WAS .650 IS .660, WAS 1.200 IS 2X 1.200.	2/17/2016	SM	JAG



SECTION B-B



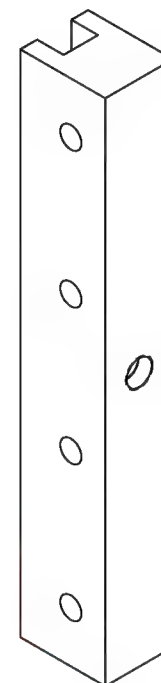
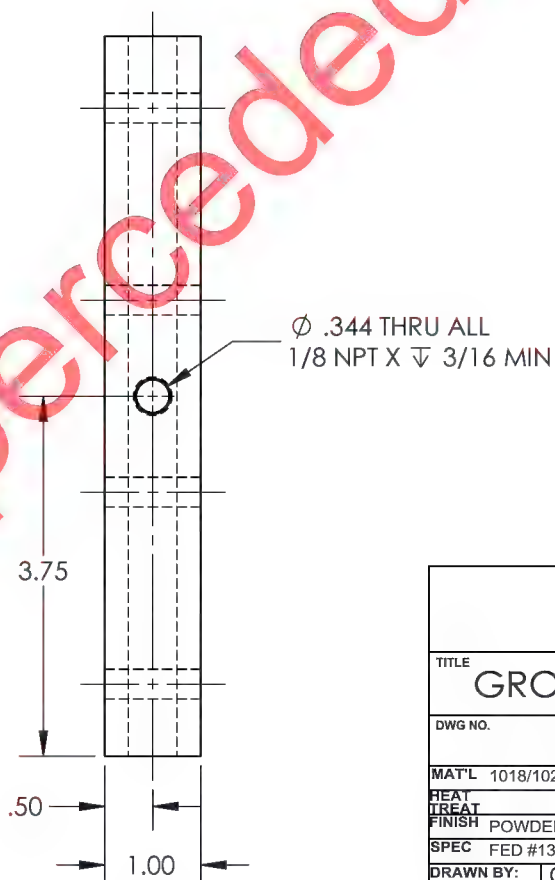
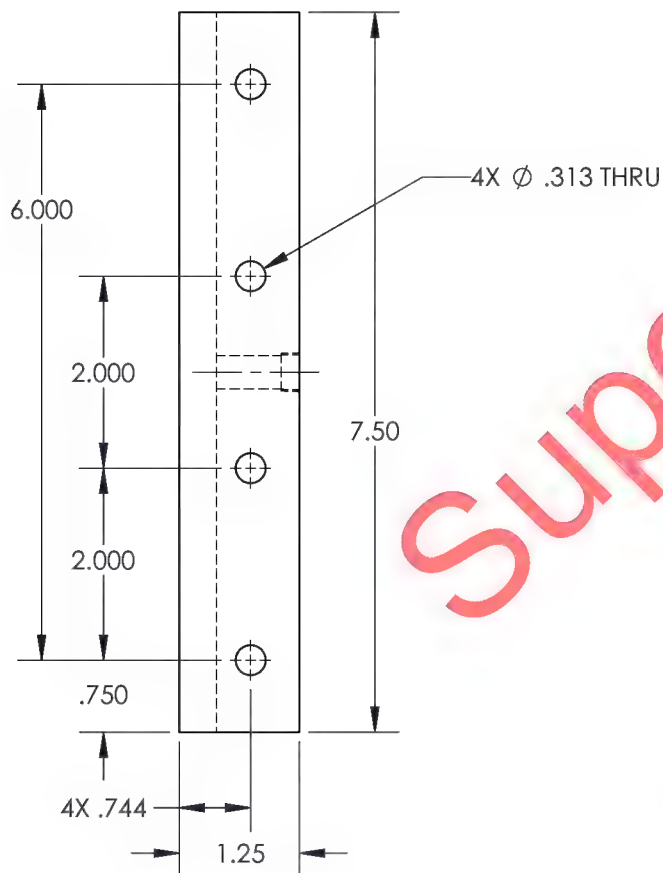
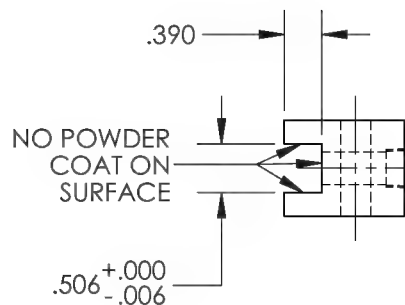
RBD3333-3
SLIDING PLATE

UNDER REVIEW
URF17-737 SAC

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3333-3	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .01 ANGLES ± .5°
SPEC FED #13538	.X ± .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED: GILBERT	SEE NOTE 2 SHT 1
SCALE 1:3	DATE 3/15/2012
SHEET 12 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-5 CH'D DIM WAS Ø.332 IS .344.	6/18/2014	RJC	GE
2	16-0039	RBD3333-5 CH'D DIM WAS Ø.334 IS Ø.344.	2/17/2016	SM	JAG



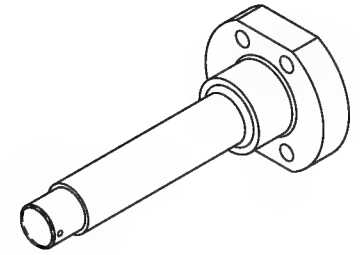
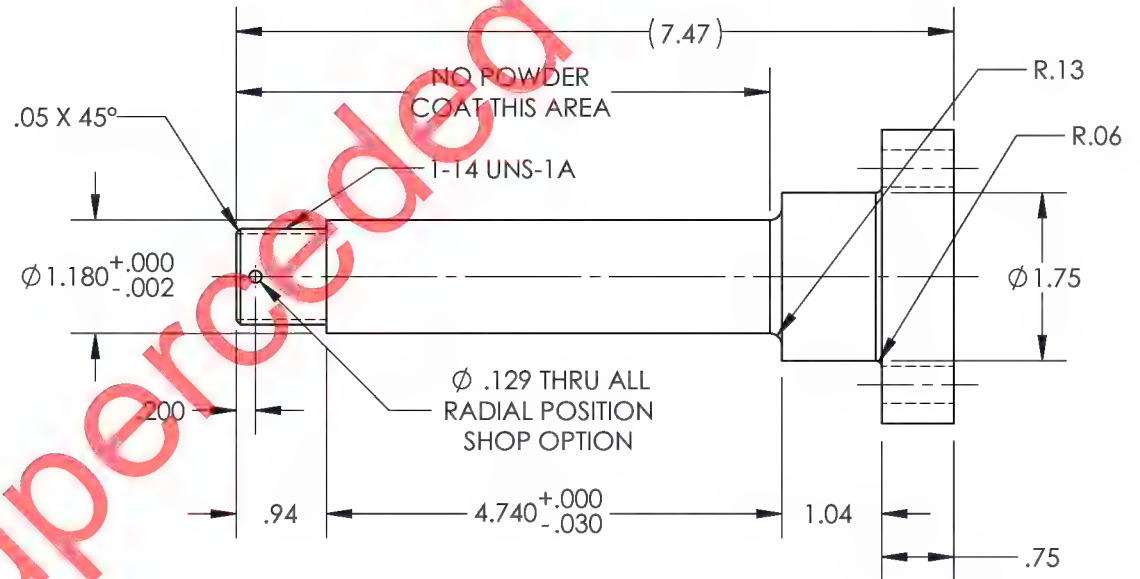
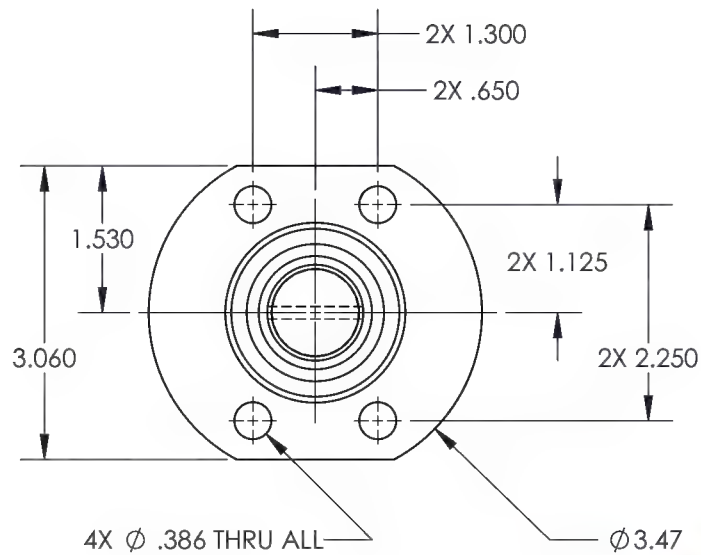
UNDER REVIEW
URF17-737 SAC

RBD3333-5
RAIL

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3333-5	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .01 ANGLES ± 5°
SPEC FED #13538	.X ± .1 SURFACES = 125 ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED: GILBERT	SEE NOTE 2 SHT 1
SCALE 1:2	DATE 3/15/2012
SHEET 13 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3334-1 CH'D DIM WAS 7.47 IS [7.47].	2/17/2016	SM	JAG



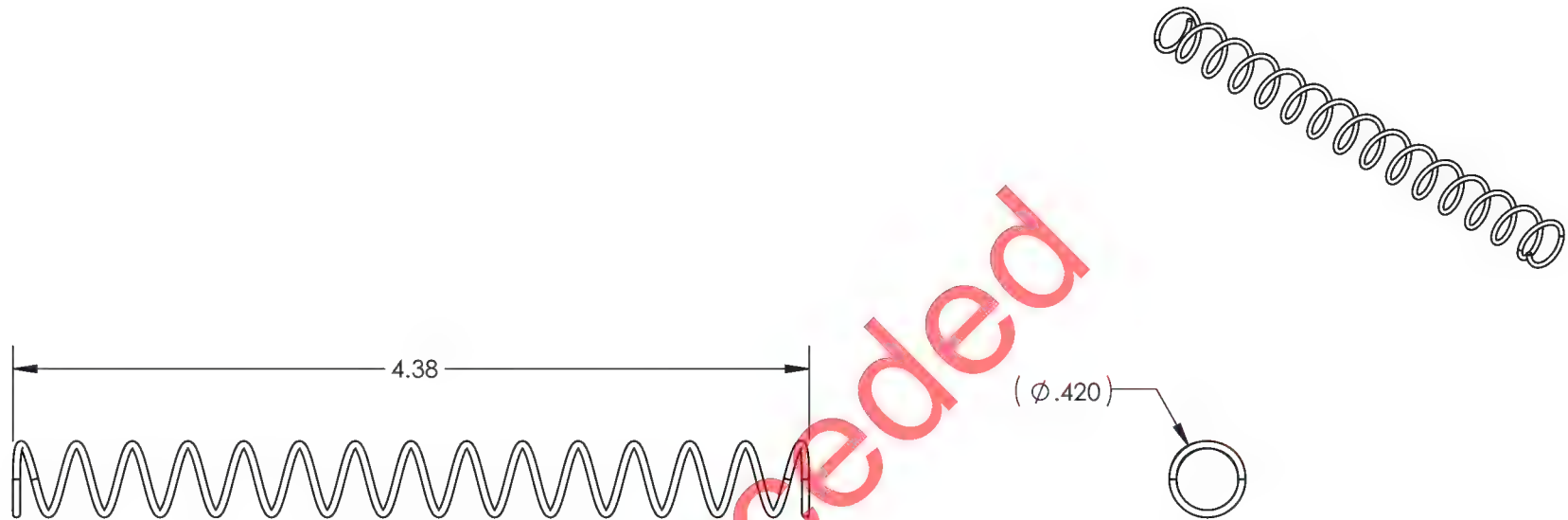
UNDER REVIEW
URF17-737 SAC

RBD3334-1
WHEEL SHAFT

DART AEROSPACE	
TITLE: GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3334-1	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .01 ANGLES ± 5°
SPEC FED #13538	.X ± .1 SURFACES = 125
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED: GILBERT	SEE NOTE 2 SHT 1
SCALE 1:2	DATE 3/15/2012
SHEET 14 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3335-3 MOVED TO NEW SHEET.	2/16/2016	SM	JAG



UNDER REVIEW

URF17-737 SAC

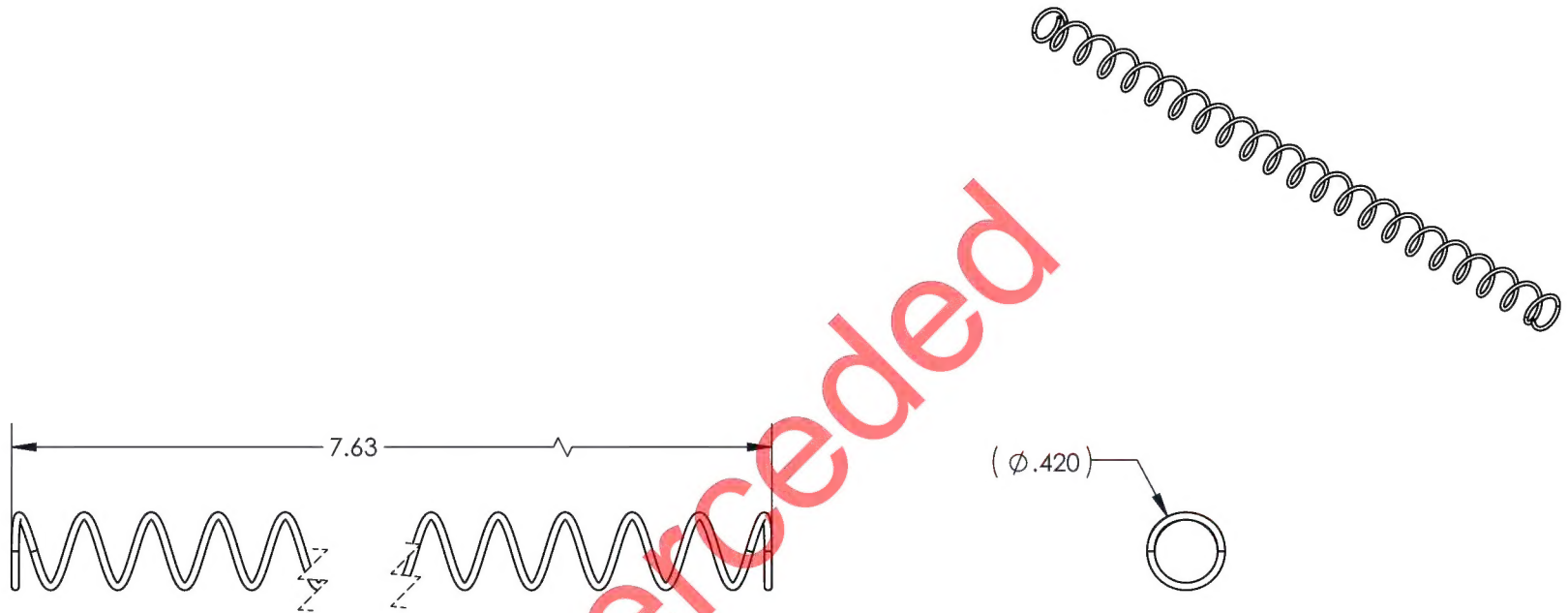
RBD3335-1

SPRING

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3335-1	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125 ✓
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 3/15/2012
	SHEET 15 OF 19

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3335-3 ADDED TO NEW SHEET.	2/16/2016	SM	JAG

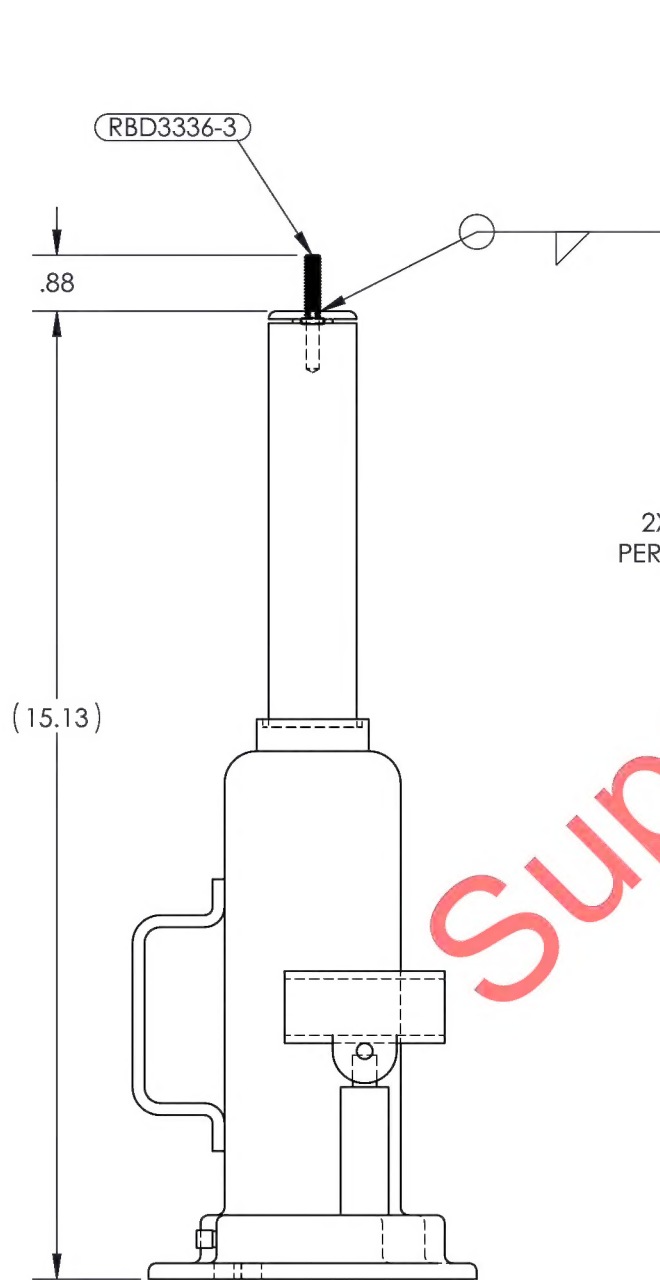


UNDER REVIEW
URF17-737 SAC

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3335-3	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED:	.015 x 45° OR .015R
OPPS APPR:	2. DIMENSIONAL LIMITS APPLY
QA APPR:	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
SCALE 1:1	DATE 3/15/2012
	SHEET 16 OF 19

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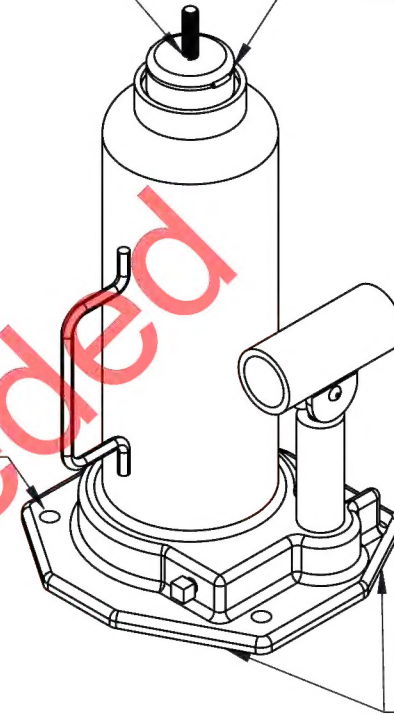
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



1/4-20 ∇ .75
AT CENTER OF CAP

WELD CAP WITH SHAFT WITH .38
LONG TACK WELDS (2 PLACES)
AROUND PERIMETER

2X ϕ .313 THRU ALL
PER TEMPLATE DT8761



TRIM EDGES AS PER
TEMPLATE DT8761A
AND PAINT CUTS TO
MATCH COLOR.

UNDER REVIEW

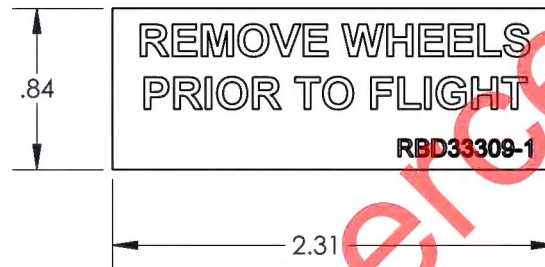
URF17-737 SAC

RBD3336-1
JACK

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RBD412-729-011 RBD3336-1	REV 2
MAT'L FEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED: GILBERT	SEE NOTE 2 SHT 1
SCALE 1:3	DATE 3/28/2012
SHEET 17 OF 19	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3309-3 MOVED TO SEPERATE SHEET.	2/16/2016	SM	JAG



UNDER REVIEW
URF17-737 SAC

NOTE:
1) MATERIAL: BLACK LETTERS ON ADHESIVE BACK

DART AEROSPACE			
TITLE ROUND HANDLING WHEELS			
DWG NO. RBD412-729-011 RBD3309-1	REV 2		
<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;"> MAT'L REAT TREAT FINISH SPEC DRAWN BY: GILBERT CHECKED: OPPTS APPR: QA APPR: APPROVED: GILBERT </td> <td> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL </td> </tr> </table>		MAT'L REAT TREAT FINISH SPEC DRAWN BY: GILBERT CHECKED: OPPTS APPR: QA APPR: APPROVED: GILBERT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL
MAT'L REAT TREAT FINISH SPEC DRAWN BY: GILBERT CHECKED: OPPTS APPR: QA APPR: APPROVED: GILBERT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL		
SCALE 1:1	DATE 3/15/2015		
SHEET 18 OF 19			

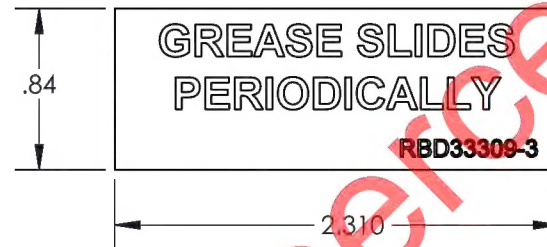
RBD3309-1

 LABEL, REMOVE BEFORE FLIGHT

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0039	RBD3309-3 ADDED TO NEW SHEET.	2/16/2016	SM	JAG

GREASE SLIDES
PERIODICALLY
RBD33309-3



UNDER REVIEW

URF17-737 SAC

NOTE:

1) MATERIAL: BLACK LETTERS ON ADHESIVE BACK



TITLE		ROUND HANDLING WHEELS	
DWG NO.		RBD412-729-011 RBD3309-3	REV 2
MAT'L		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± .5°	
DRAWN BY:		.X ± .1 SURFACES = 125 ✓	
CHECKED:		1. BREAK ALL SHARP EDGES	
OPPS APPR:		.015 x 45° OR .015R	
QA APPR:		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED:		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE		USED ON MODEL	
1:1		DATE 3/15/2015	
		SHEET 19 OF 19	

RBD3309-3

LABEL, GREASE SLIDES